

ABSTRACT

5 An optical switching subsystem comprising; a plurality of
input optical ports for inputting an optical signal, a
plurality of output optical ports for outputting the optical
signal, an optical switch formed by a micro electromechanical
system (MEMS) for switching an optical path among said input
optical ports and said output optical ports, a controller for
10 instructing said optical switch to execute switching operation,
and self-diagnosis means for measuring performance
characteristics of said optical switching subsystem and
diagnosing said optical switching subsystem based upon said
performance characteristics.